

**BOLTON INLAND WETLANDS COMMISSION
REGULAR MEETING, APRIL 26, 2022, 7:00 P.M.
MOTIONS & MINUTES
VIRTUAL**

Lally called the meeting to order at 7:00 p.m.

		Present	Absent
REGULAR MEMBERS:	Open		
	Ross Lally - Chairperson	X	
	Andrew Gordon	X	
	James Loersch – Vice Chairperson	X	
	Open		
ALTERNATE MEMBERS:	Dave Lynn	X	
	Open		
STAFF:	Barbara Kelly	X	

Also present: Matt Kuzmickas, Amanda Mangene, Tyler Egner, J. Sullivan

Lynn was seated for Darico.

1. Approval of Agenda

Motion: The Bolton Inland Wetlands Commission approves the agenda as presented.

By: Loersch

Seconded: Gordon

Voting:

For: Lally, Gordon, Loersch, Lynn

Against: None

Abstain: None

2. Public Comment

No one was present to speak.

3. Old Business

None

4. New Business

A. Jurisdictional Ruling (#WRER-22-1) – 97 Volpi Road – Field Drainage

Matt Kuzmickas was present. The plan was shared on the screen.

Kuzmickas: Field 11 is the field that is in Bolton. Staff: The field borders Volpi Road and the town line is to the west of that. Kuzmickas: The plan was draw up by the Natural Resource Service (NRS) part of the USDA. Most is in Manchester so they are working with them also to increase the productivity of the fields. They are too wet right now to get more than one cutting of hay in mid-summer. We are trying to drain the fields using subsurface drains. The laterals are perforated pipe with stone below and above the pipe that will be draining out into the brook. Two feet will be excavated to install the stones and pipe topping the trenches with 10” of topsoil. Pea stone will be used in place of fabric; the NRS does not like fabric because it clogs. He is here to get a jurisdictional ruling that this is an as-of-right activity related to agriculture. The field cannot be farmed effectively if it cannot be drained.

Staff: The area between the pond and the house is a designated wetlands area. The USDA will not allow that to be drained. This has been a farm field for years.

Lally: No roads or structures are being proposed. Staff: And this is not relocating the waterway either.

Gordon: He trusts the federal government’s involvement. The plan sounds good.

Loersch: Has this been tried elsewhere and has it been successful? Staff: This is a common practice around the state and the country.

Lynn: Does not see any problems with this plan.

Motion: I make the motion that the Bolton Inland Wetland Commission deems this activity permitted as-of-right per Section 4.1a of the Inland Wetlands regulations.

By: Gordon

Seconded: Loersch

Voting:

For: Gordon, Lally, Loersch, Lynn

Against: None

Abstain: None

B. IWC #2022-2 – 10 French Road – Septic Repair

Tyler Egner was present.

Egner: The plan is to replace the entire septic system. He has worked with Thad King from EHHD and his uncle (town engineer from Colchester) to draw up the plans doing their best to keep as far away from the wetlands. The plan was shared. The house was built in 1950 or 1952 and the system is the original one. There is some slight declining of the back yard down to the wetlands. The existing system is back there. Putting the system in the front yard is not feasible because of the well location. The 500 gallon aluminum tank will be replaced with a 1,000 concrete tank at the back of the house. The leeching area will be 375 sq. feet. These plans have been submitted to the EHHD. Enger needs an exception from the EHHD and

unbuildable. Lally: The IWC has to look at the plan for the upland review area within 100' of the wetlands. Staff and the IWC will work with you to make this work without adversely affecting the wetlands.

Staff: Did a site visit. The wetland delineation done in 2015 by John Ianni is accurately depicted on the plan. This is a fairly flat lot with wetlands to the rear of the property. The lot is a lot of record recreated with the subdivision. The perimeter controls should be adequate to protect the wetlands. They are ringing the area of disturbance. That is adequate E&S controls for a flat site. The plan does not show an anti-tracking pad. The plan should show an accurate limit of clearing.

Lally: How much back lawn is there going to be? Esposito: He would put in as much as he could but that is up to the IWC. Lally: Typically it is good to leave some trees and vegetation to the wetlands as opposed to taking the lawn up to the wetlands. Leaving 30' for the back yard will leave 20' of natural vegetation to the wetlands.

The plan is being received at this meeting and will be heard at the meeting in May.

D. Jurisdictional Ruling (#WRER-22-3) – 50 Hatfield Drive – reclamation of an existing farm pond for livestock watering and crop irrigation

J. Sullivan was present. He purchase the property in 2017 with the intent of using it for farming. He received a PA-490 designation this year and is looking to expand the farming operations. Twenty to thirty years ago it used for sheep farming with the existing pond that is now in disrepair. He wants to clean that up by taking out the dead trees, rebuilding the sides, dredging to 8' deep at the deepest point, and improve access to the adjacent pasture by repairing the dam and putting in a pipe that can be driven over. Sullivan feels this is an as-of-right activity for the farm.

Staff: The IWC granted a permit for driveway access to comes close in the northeast corner. Sullivan: The wetlands delineation follows the shape of the stream for the farm.

Lally: Asked the applicant to clarify the activities on the property are of farming. Sullivan: The pasture and orchard are close to the wetlands. The pasture side of the pond with have a 3:1 pitch to it. He is not changing a watercourse that has a continual flow to it. In the summertime virtually nothing flows out of the dam.

Loersch: Would like to know how the sides of the pond will be built up. Lally: If the IWC determine this is exempt we can't put conditions on it. Loersch: Will you be drawing water from the pond to water animals? Sullivan: Yes. We have not constructed the barn yet to house the animals. This is the next step in the plan. There will be a shady, grazing pasture in the cross hatched area. The orchard is on the right on the plan. Lally: He is curious as to where the large amount of stuff being removed from the pond will go. This will be wet muck that will have to be dewatered without running off the property.

Loersch: How much is wetlands on the property other than the pond? Does the IWC have to monitor the dredged material? Staff: It largely follows the stream that

is maybe 20' wide per the applicant. Lally: Does the State care since it is a pond that is being dug out? Staff: Recommended to the applicant to check with the DEEP for what the regulations may be or to check with the Dam Safety division.

Loersch: He has not seen an animal or barn. This may be stretching the agricultural use for the IWC. Staff: This pond is considerably less than the three acres mentioned in the regulations. Lally: The applicant needs to address this with the State and the use of the pond to make sure the planned activity is within bounds.

Motion: I make the motion that the Bolton Inland Wetland Commission deems this activity permitted as-of-right per Section 4.1a of the Inland Wetlands regulations.

By: Gordon

Seconded: Lynn

Discussion: Gordon: Where does the stream end up after the pond? Staff: Ultimately the Blackledge River after much meandering.

Voting:

For: Gordon, Lally, Loersch, Lynn

Against: None

Abstain: None

5. Approval of Minutes

A. **March 22, 2022 Regular Meeting**

Motion: The Bolton Inland Wetlands Commission approves the minutes of the March 22, 2022, Regular Meeting as corrected.

With the following corrections:

- Page 1, title – change the date to “March 22”.
- Page 3, item 6, third bullet, first sentence – change “bark” to “bare”.

By: Gordon

Seconded: Lynn

Voting:

For: Lally, Gordon, Loersch, Lynn

Against: None

Abstain: None

6. Wetlands Agent Report

Staff reported:

- 233 Boston Turnpike is going to the PZC for a new Bolton Vet Hospital. She has been to the site again and there will be no wetlands impact.
- Remediation is working along at 271 Hop River Turnpike. They are working their way from front to back to remove the debris near the wetlands. Other Town staff is involved in monitoring this project also. This is a win-win for Bolton wetlands.
- Routine items have been coming through including CO inspections.

7. Other

None

8. Adjournment

Motion: The Bolton Inland Wetlands Commission moves to adjourn the meeting at 8:25 p.m.

By: Gordon

Seconded: Loersch

Respectfully submitted,

Yvonne B. Filip

Yvonne B. Filip
Commission Clerk

PLEASE SEE THE MINUTES OF SUBSEQUENT MEETINGS FOR THE APPROVAL OF THESE MINUTES AND ANY CORRECTIONS HERETO.



IW-22-3

Inland Wetlands

Status: Active

Date Created: Apr 25, 2022

Applicant

David Sposito
amanda.mangene@raveis.com
55 Hebron Rd
Bolton, CT 06043
8608185530

Location

0 BOLTON CENTER RD
BOLTON, CT 06043

Owner:

David Sposito
180 BOLTON CENTER ROAD Bolton, CT 06043

Internal Use

Conditions

--

Petition Received?

--

Date Received

--

Date of Newspaper Publication of Inland/Wetlands Commission Action

--

Summary of Inland/Wetlands Commission Action

--

Bond Required?

--

Parcels Included in Project

MBL / Parcel ID

180 Bolton Center

Additional Applicant Info

Applicant Type

Owner

Permit Info

Type of Application

New Application

Permit For

Amendment of Inland Wetlands Regulations or Map

Occupancy Type

Residential (Single Family/Duplex)

Lots

--

Work Description

New Construction single family house

Development Title

--

Comments

--

Proposed Distance

Distance from Inland Wetlands and Watercourses:

--

Requested Distance

--

Wetland / Watercourses Project Information

Size of Subject Property (acres)

1.1

Total area of wetlands to be affected by the activity (acres)

0

Open water body altered (acres)

0

Stream alternation (linear feet)

0

Buffer/upland area altered (acres)

--

Area of wetlands/watercourses restored, enhanced, or created (acres)

--

Described how the proposed activity affects wetlands, watercourses, and the regulated areas.

Owner is proposing a single family home within 50 ft of wetlands buffer

Described measures that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas.

--

Is there a Conservation or Preservation Restriction on the Property?

No

Is this an activity associated with a use for which you intend to apply to the Planning & Zoning Commission?

Yes

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

I understand that the Commission may require additional information at any time during the review of the application as described in Section 7.6 of the Inland Wetlands and Watercourses Regulations.



The Applicant must ensure that this application is complete and conforms with the Inland Wetlands and Watercourses Regulations (available at the Land Use Office for \$10.00). Ten (10) copies of supporting documents must be provided. The Commission encourages the applicant to discuss any project with the Town Staff and/or the Commission before submitting an application. The Commission requests that applications be submitted at least one week before the meeting.



The Agency shall monitor all Bolton wetland and watercourses and have enforcement powers as described in Section 14 of the Inland Wetlands and Watercourses Regulations. The Commission Members and designed agent(s) may make regular inspections upon reasonable notice of all regulated activities to investigate possible violations of the Inland Wetlands and Watercourses Regulations.



If this application is filed with the Inland Wetlands Agent under Section 12.1 of the Inland Wetlands and Watercourses Regulations, the Applicant may appeal the Agent's decision according to the process described in section 12.2 of the Inland Wetlands and Watercourses Regulations.



Attorney Info

Name	Address
James	Rogers
City	State
Manchester	CT
Zip	Phone
06040	8606432501
Email	
jfrogers@lmrblaw.com	

Engineer Information

Company Name

--

Engineer Name

--

Address

--

City

--

State

--

Zip

--

Phone

--

Registration #

--

Insurance Expiration

--

AOR

--

Email

--

Contractors

Name David Sposito	Address 55 Hebron Rd
City Bolton	State CT
Zip 06043	Phone No 8608185530
Email amanda.mangene@raveis.com	DBA --
Mobile Phone No 8608185530	

Additional Project Info

Date of Receipt

--

Hearings Commencement Deadline

--

Hearings Completion Deadline

--

Decision Deadline

--

Total Acreage

1.1

Distance to Town Line

--



Extended



Hearing Not Required







Attachments

-  180 Bolton Center Abutting properties.pdf
Uploaded by David Sposito on Apr 25, 2022 at 11:55 am
-  180 Bolton Center Rd Bolton Site Plan.pdf
Uploaded by David Sposito on Apr 25, 2022 at 11:55 am

History

Date	Activity
Apr 25, 2022 at 11:17 am	David Sposito started a draft of Record IW-22-3
Apr 25, 2022 at 11:56 am	David Sposito submitted Record IW-22-3
Apr 25, 2022 at 11:57 am	completed payment step Permit Fee on Record IW-22-3
Apr 25, 2022 at 11:57 am	approval step Application Review was assigned to Barbara Kelly on Record IW-22-3

Timeline

Label	Status	Activated	Completed	Assignee	Due Date
 Permit Fee	Paid	Apr 25, 2022 at 11:56 am	Apr 25, 2022 at 11:57 am	-	-
 Application Review	Active	Apr 25, 2022 at 11:57 am	-	Barbara Kelly	-
 Inland Wetlands	Inactive	-	-	-	-
 Issue Permit	Inactive	-	-	-	-

SURVEY NOTES:

1) THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS", AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 29, 2019. IT IS A LIMITED PROPERTY/BOUNDARY IMPROVEMENT LOCATION SURVEY MAP BASED ON A RESURVEY CONFORMING TO HORIZONTAL SURVEY ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2. THE INTENT OF THIS MAP IS TO DEPICT THE LOCATION OF THE PROPOSED OR EXISTING IMPROVEMENTS SHOWN WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

2) PROPERTY IS LOCATED IN A RR ZONE.

3) THE PROPERTY IS LOCATED IN A FLOOD HAZARD ZONE C PER FIRM FLOOD INSURANCE RATE MAP NUMBER 090190B EFFECTIVE DECEMBER 4, 1985.

4) TOPOGRAPHY DEPICTED WAS FIELD DERIVED BY BUSHNELL ASSOCIATES LLC. USING AN ASSUMED DATUM.

MAP REFERENCES:

1) PLAN PREPARED FOR MICHAEL HARNEY LOT 7 DANIELLE MARIE ESTATES BOLTON CENTER ROAD BOLTON, CT. LIMITED PROPERTY IMPROVEMENT LOCATION SURVEY SCALE: 1"=20' DATE: 7/15/2015 FILE NO. 2015-28 SHEET: 1 OF 1 BUSHNELL ASSOCIATES LLC, CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875

SEPTIC SYSTEM DESIGN NOTES AND CRITERIA

SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 1, 2018.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION:

NUMBER OF BEDROOMS: 3
PERCOLATION RATE: 1-10.0 MIN./INCH (SYSTEM IN SELECT FILL)
RESTRICTIVE LAYER: 20" TH
GROUND SLOPE: 3.1-4.0%
MLSS: 48 HF. X 1.5 FF. X 1.0 PF.=72 FT. MIN.

REQUIRED: 1000 GALLON TWO-COMPARTMENT SEPTIC TANK AND 495 SQ. FT. OF EFFECTIVE LEACHING AREA. (SYSTEM IN SELECT FILL-1.0 MIN./INCH PERCOLATION RATE)

PROVIDED: 1,250 GALLON TWO-COMPARTMENT INFILTRATOR PLASTIC SEPTIC TANK WITH APPROVED EFFLUENT FILTER, NO GARBAGE DISPOSAL, WATER SOFTENING SYSTEM OR OVERSIZED TUB TO BE INSTALLED IN THE HOUSE. (ACCESS RISERS REQUIRED TO LESS THAN 12" FROM FINAL GRADE). 84 LINEAL FEET OF DOUBLE WIDE STANDARD CAPACITY QUICK 4 INFILTRATORS BACKFILLED WITH APPROVED NO. 4 STONE AGGREGATE (66 UNITS) EFFECTIVE LEACHING CREDIT 5.9 SQ. FT./FT. WITH AN EFFECTIVE LEACHING AREA OF 495.6 SQ.FT. MINIMUM SPACING OF 12 FT. ON CENTER, WITH HOUSE SEWER PIPE OF 4" DIA. SCHEDULE - 40 ASTM D-1785 / ASTM D-2865.

INFILTRATOR BOTTOMS TO BE NO LESS THAN 2" BELOW EXISTING GRADE.

THE SEPTIC SYSTEM AREA SHALL NOT BE DISTURBED PRIOR TO STAKEOUT OF THE SYSTEM BY THE DESIGN ENGINEER.

THE DESIGN ENGINEER SHALL STAKE OUT THE SEPTIC SYSTEM, SET A LOCAL BENCHMARK AND SUPPLY THE EASTERN HIGHLANDS HEALTH DISTRICT WITH A STAKING VERIFICATION MEMO BEFORE A PERMIT TO INSTALL THE SYSTEM WILL BE ISSUED.

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

- 1) THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
- 2) UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE.
- 3) THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- 4) THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

PERCENT PASSING

SIEVE SIZE	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50*	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE # 200 SIEVE DOES NOT EXCEED 5%

SELECT FILL THAT DOES NOT MEET THE DRY SIEVE GRADATION CRITERIA BUT MEETS THE WET SIEVE CRITERIA IS ACCEPTABLE.

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH REQUIRED SELECT FILL. THE TOPSOIL IN THE LEACHING AREA MUST BE COMPLETELY REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT. THE INSTALLER SHALL TAKE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVERCOMPACTION, SILTATION OR OTHER DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING THE SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING AREA.

TEST HOLE DATA PER MAP REFERENCE 1

TEST PIT A
0-7" TOPSOIL/LEAF LITTER
7-18" YELLOW BROWN FINE SANDY LOAM
18-24" GREY-BROWN MOTTLED SILT
24-84" RED-BROWN FRAGIPAN
MOTTLING AT 18" SEEPAGE AT 80" NO LEDGE NO LEDGE

TEST PIT B
0-5" TOPSOIL/LEAF LITTER
5-24" YELLOW BROWN FINE SANDY LOAM
24-84" RED-BROWN FRAGIPAN
MOTTLING AT 24" SEEPAGE AT 68" NO LEDGE

TEST PITS OBSERVED BY
HOLLY EASTERN HIGHLANDS HEALTH DISTRICT
ANDREW F. BUSHNELL PE. LS. BUSHNELL ASSOCIATES LLC.
7/8/2015

PERCOLATION TEST 1 RESULTS
PERFORMED BY BUSHNELL ASSOCIATES LLC (7/8/2015)
PRE-SOAKED 9:15AM 7/8/2015
START: 10:52 AM 7/8/2015 HOLE DRY @ START
23" DEEP HOLE

TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
0	8	—
5	10 1/2	2 1/2
10	12 1/2	2
15	13 1/2	1
20	14	1/2
25	14 1/2	1/2
30	15	1/2
35	15 1/2	1/2
40	16	1/2
45	16 1/2	1/2
50	17	1/2
55	17 1/2	1/2

TEST PIT 2
0-6" TOPSOIL
6-26" ORANGE BROWN FINE SANDY LOAM VERY FIRM
26-84" EXT. FIRM RED SAND TILL; HIGHLY MOTTLED
21" MOTTLING
NO LEDGE
WATER ON BOTTOM

TEST PIT 3
0-6" TOPSOIL
6-26" ORANGE BROWN FINE SANDY LOAM
26-72" RED SAND TILL HIGHLY MOTTLED
21" MOTTLING
ROOTS TO 21"
NO LEDGE
WATER ON BOTTOM

TEST PIT 4
0-4" TOPSOIL
4-20" ORANGE BROWN FINE SANDY LOAM
20-77" VERY FIRM RED SAND TILL
20" MOTTLING
ROOTS TO 20"
NO LEDGE
NO SEEPAGE

TEST PIT 5
0-6" TOPSOIL & LEAF LITTER
6-24" ORANGE BROWN FINE SANDY LOAM
24-80" VERY FIRM FINE REDBROWN SAND TILL
23" MOTTLING
ROOTS TO 23"
NO LEDGE
NO SEEPAGE

PERCOLATION RATE = 1-10.0 MIN./IN.

PERCOLATION TEST 2 RESULTS
PERFORMED BY BUSHNELL ASSOCIATES LLC (7/8/2015)
PRE-SOAK 9:30 AM 7/8/2015
START: 10:50 AM 7/8/15 HOLE DRY AT START
20" DEEP HOLE

TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
0	8 1/2	—
5	11 1/2	3
10	13 3/4	2 1/4
15	14 3/4	1
20	15 3/4	1
25	16 1/2	3/4
30	17	1/2
35	17 1/2	1/2
40	18	1/2
45	18 1/2	1/2
50	19	1/2
55	DRY AT 20	—

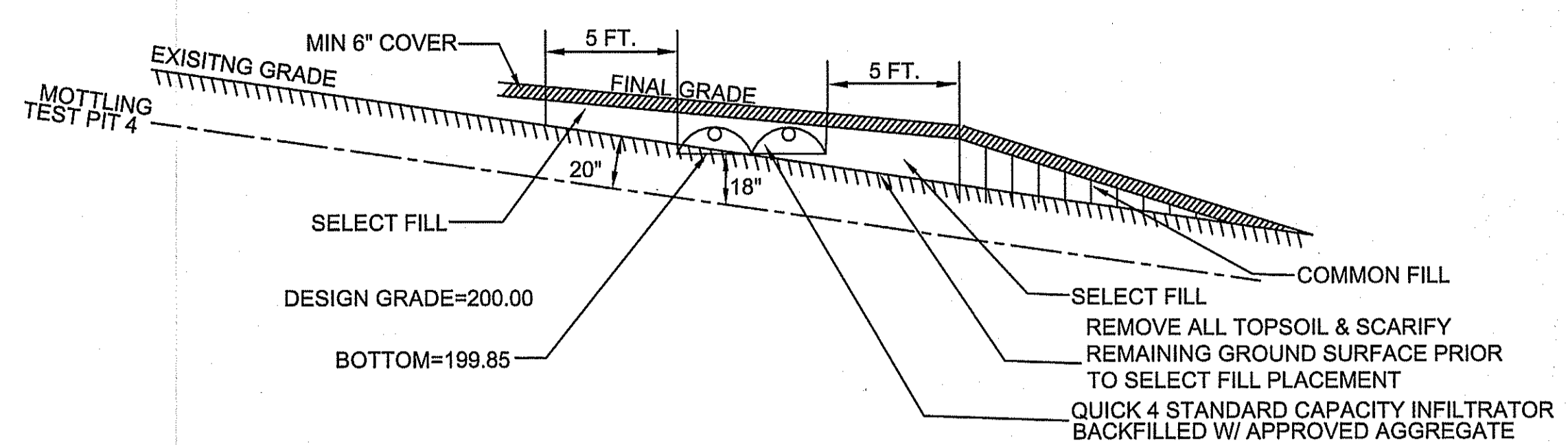
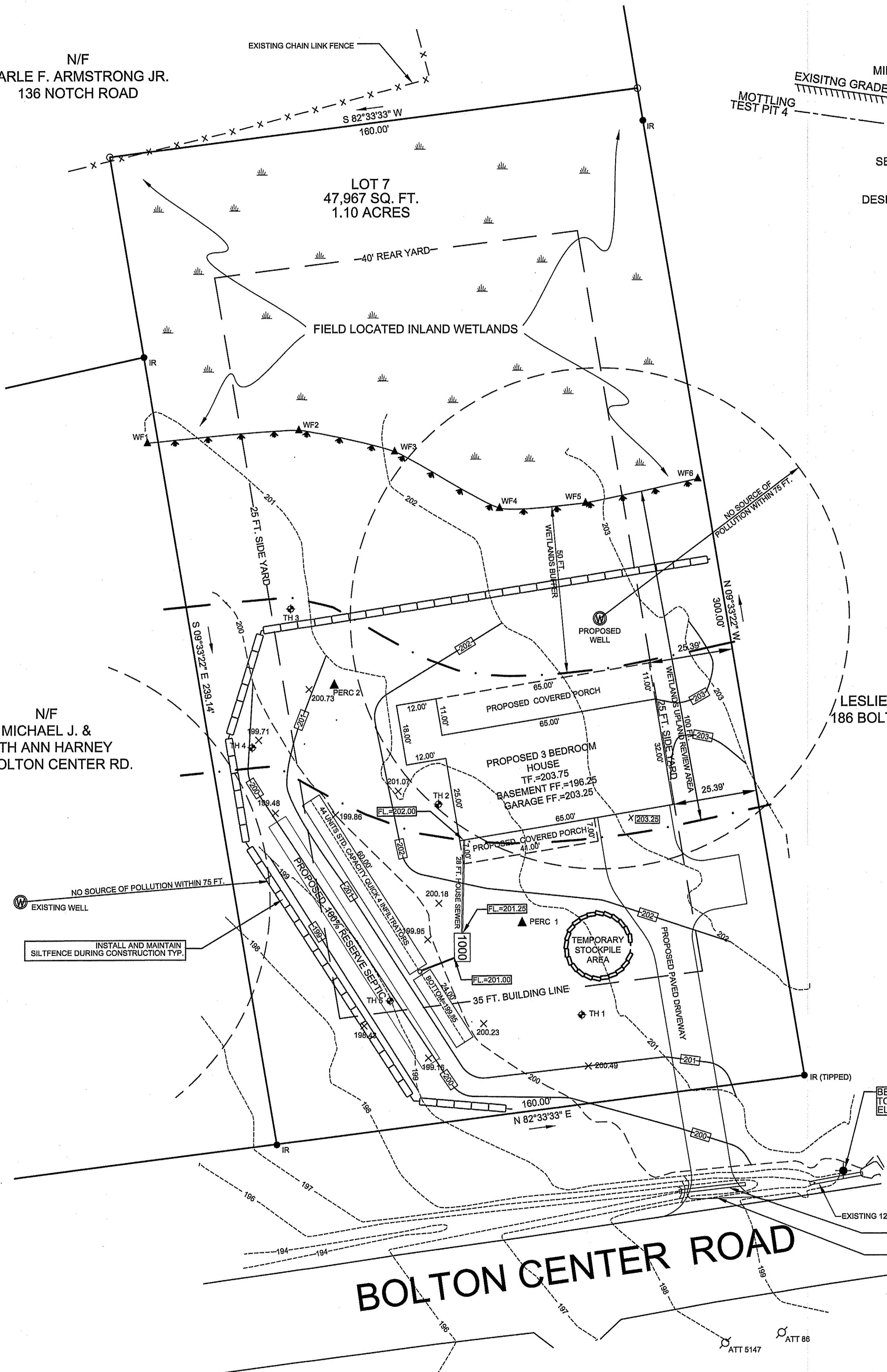
PERCOLATION RATE = 1-10.0 MIN./IN.

N/F
EARLE F. ARMSTRONG JR.
136 NOTCH ROAD

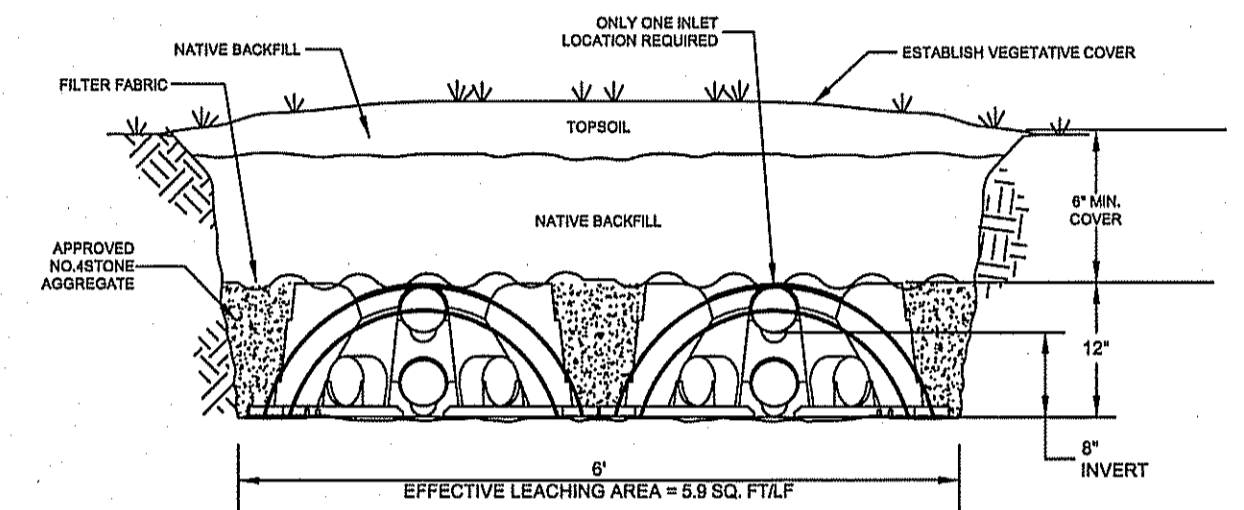
N/F
MICHAEL J. &
BETH ANN HARNEY
176 BOLTON CENTER RD.

N/F
LESLIE A. ALEXANDER
186 BOLTON CENTER RD.

AREA OF DISTURBANCE IN WETLANDS UPLAND
REVIEW AREA: 9,218 SQ. FT. .21 ACRES



LEACHING SYSTEM CROSS SECTION A-A
SCALE 1"=5'



QUICK 4 STANDARD CAPACITY DOUBLE WIDE TRENCH DESIGN DETAIL
(NOT TO SCALE)

LEGEND

- EXISTING MERESTONE
- IRON ROD TO BE SET
- EXISTING IRON ROD
- PROPOSED WELL
- PROPOSED SILT FENCE/ LIMIT OF DISTURBANCE
- LIMIT OF DISTURBANCE
- STONE WALL
- EXISTING UTILITY POLE
- PROPOSED SPOT GRADE
- EXISTING SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST HOLE
- PERCOLATION TEST
- EDGE OF FIELD LOCATED WETLANDS
- WETLANDS FLAG
- PROPOSED UNDERGROUND UTILITIES

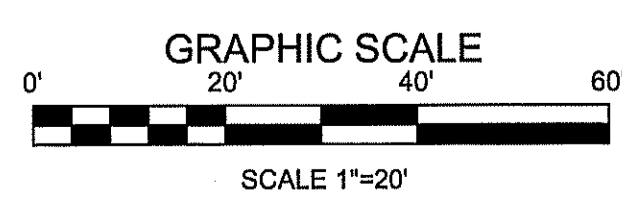
UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR THE START OF ANY CONSTRUCTION. "CALL BEFORE YOU DIG (1-800-922-4455)."

PLAN PREPARED FOR
DAVID SPOSITO
BOLTON CENTER ROAD BOLTON, CT.

SITE PLAN
SCALE: 1"=20' DATE: 4/22/2022 FILE NO. 2022-15 SHEET: 1 OF 2

BUSHNELL ASSOCIATES LLC.
CIVIL ENGINEERING AND LAND SURVEYING
563 WOODBRIDGE STREET MANCHESTER, CT. 06042
860-643-7875

REVISIONS:



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

ANDREW F. BUSHNELL, P.E. L.S. 24591
THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

- CONSTRUCTION NOTES:**
- 1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 - 2.) OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
 - 3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
 - 4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
 - 5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
 - 6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

EROSION CONTROL CONSTRUCTION SEQUENCE PLAN HOUSE LOT DEVELOPMENT
 NOTE: ALL EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL CONFORM TO THE METHODS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL MANUAL.

- 1.) COORDINATE MARKING OF LIMITS OF DISTURBANCE BY A LICENSED LAND SURVEYOR. SUPPLY TOWN EROSION CONTROL OFFICER WITH A LETTER FROM THE SURVEYOR CERTIFYING THE LIMITS OF DISTURBANCE WERE MARKED IN ACCORDANCE WITH THE APPROVED PLAN.
- 2.) CLEAR TREES AS REQUIRED.
- 3.) PRIOR TO SOIL DISTURBANCE INSTALL EROSION CONTROL MEASURES, SILT FENCE AND ANTI-TRACKING PAD (SEE PLAN DETAILS AND LOCATIONS). ADDITIONAL MEASURES MAY BE REQUIRED AS SITE CONDITIONS REQUIRE. COORDINATE AN INSPECTION OF INSTALLED MEASURES WITH THE EROSION CONTROL OFFICER. SUPPLY THE TOWN OF EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.
- 3.) PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
- 4.) GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.
- 5.) CONSTRUCT AND STABILIZE DRIVEWAY.
- 6.) CONSTRUCT HOUSE, WELL, DRIVEWAY, SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.
- 7.) SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (I.E. SUN OR SHADE) AND THE SEASON OF THE YEAR IN WHICH THIS ACTIVITY IS COMPLETED. PROVIDE TEMPORARY STABILIZATION OF THE SITE (I.E. STRAW OR HAY ETC.) IF THE TOPSOIL IS SPREAD DURING A TIME OF YEAR WHEN GRASS SEED WILL NOT GERMINATE. PROVIDE PERMANENT STABILIZATION WHEN WEATHER CONDITIONS ALLOW.
- 8.) REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.
- 9.) ANY EXISTING DISTURBED AREAS MUST BE SEEDED WITH PERMANENT OR TEMPORARY GROUND COVER AND MULCHED BY OCTOBER 15.
- 10.) DEWATERING OPERATIONS, IF REQUIRED, SHALL UTILIZE A CRUSHED STONE INTAKE SUMP AND A TEMPORARY OUTLET SILT POOL LOCATED WITHIN THE LIMITS OF DISTURBANCE.

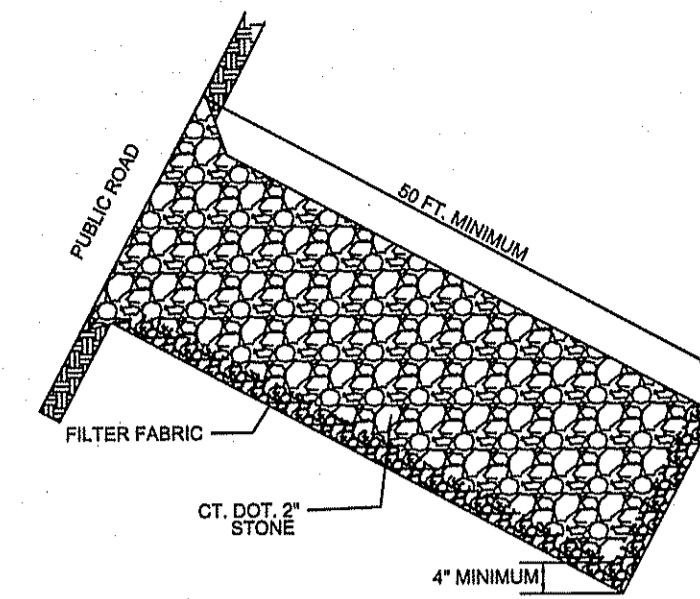
SITE SEEDING NOTES:
 PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. INSTALL SEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS AS REQUIRED. APPLY LIMESTONE AT A RATE OF 2 TONS/AC. OR 90 LBS./1000 SQ.FT. FERTILIZE WITH 10-10-10 AT A RATE OF 300 LBS./AC. OR 7.5 LBS. PER 1000 SQ.FT. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4".

SEED APPLICATION: APPLY SEED MIXTURE FROM THE CHART BELOW BY HAND, CYCLONE SEEDER OR HYDRO SEEDER. INCREASE SEED MIXTURE BY 10% IF HYDRO SEEDER IS USED. LIGHTLY DRAG OR ROLL THE SEEDED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN THE TIMES SHOWN ON THE CHART BELOW. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE.

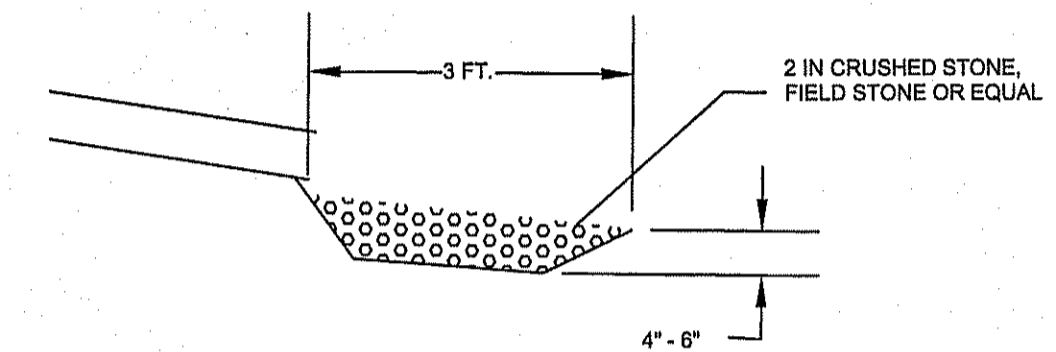
MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 2 TO 3 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH A TRACK MACHINE OR DISK HARROW SET STRAIGHT UP. IF USING HYDRO SEED MIX USE TACTIFIER ADDITIVES TO ADHERE MULCH MATERIAL TO THE SURFACE.

SEED SELECTION:	LB/1000 SQ. FT.	SEED MIXTURE	RECOMMENDED SEEDING DATES
PERMANENT LAWN	0.45	KENTUCKY BLUEGRASS	4/1-6/15
	0.45	CREeping RED FESCUE	8/15-10/1
	0.10	PERENNIAL RYEGRASS	
SLOPES & COARSE LAWN	0.45	CREeping RED FESCUE	4/1-6/15
	0.05	RED TOP	8/15-10/1
	0.45	TALL FESCUE	
SLOPES (NO MOWING)	1.8	CREeping RED FESCUE	4/1-6/15
	0.2	RED TOP	8/15-10/1
TEMPORARY COVER	3.0	WINTER RYE	4/15-6/15, 8/15-10/15
		OR	
	1.0	ANNUAL RYEGRASS	3/1-6/15, 8/1-10/15

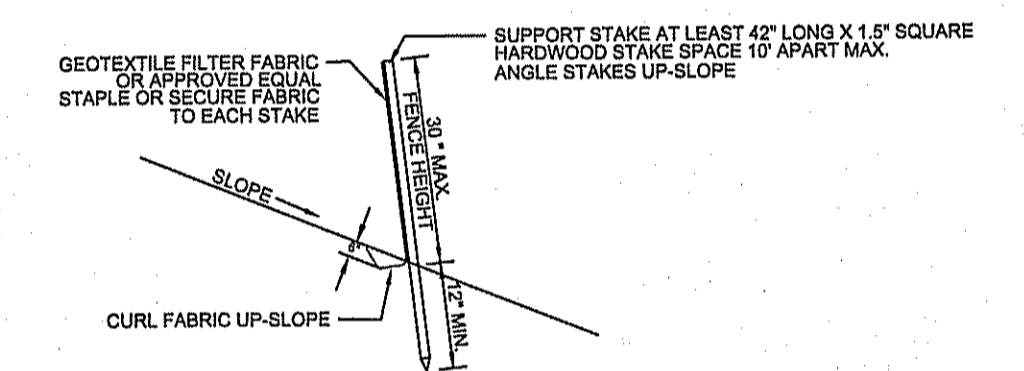
IF SEED IS PLANTED OUTSIDE THE RECOMMENDED SEEDING DATES IRRIGATION MAYBE REQUIRED AT A UNIFORM APPLICATION RATE OF 1 TO 2 INCHES OF WATER APPLIED PER APPLICATION, SOAKING THE GROUND TO A DEPTH OF 4 INCHES.



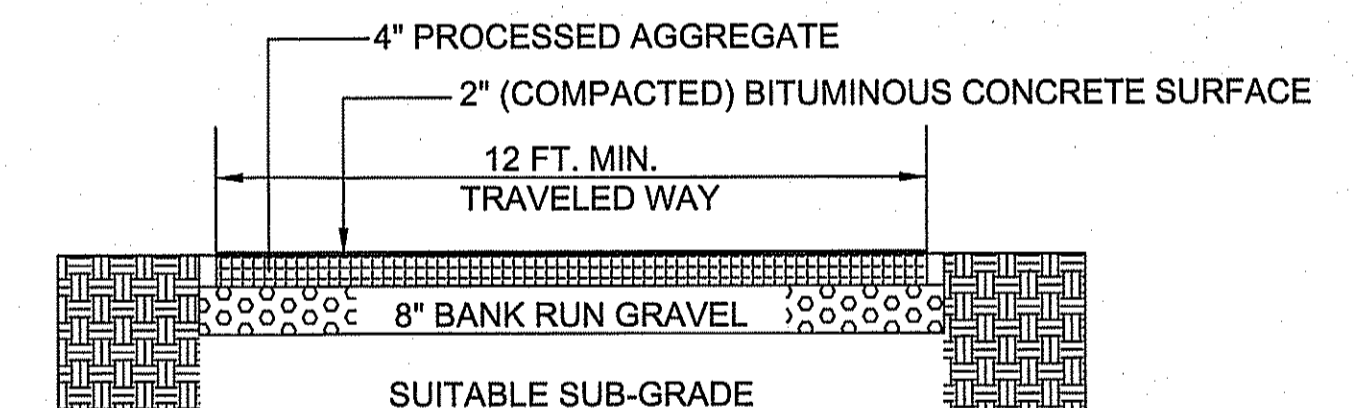
ANTI-TRACKING CONSTRUCTION ENTRANCE
NOT TO SCALE



FOOTING DRAIN OUTLET DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE



PAVED DRIVEWAY DETAIL (12% MAX GRADE)
NOT TO SCALE

	PLAN PREPARED FOR			
	DAVID SPOSITO			
BOLTON CENTER ROAD		BOLTON, CT.		
CONSTRUCTION / E&S/ SEPTIC DETAILS				
SCALE: NONE	DATE: 4/22/2022	FILE NO. 2022-15	SHEET: 2 OF 2	
BUSHNELL ASSOCIATES LLC. CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875				
REVISIONS:				

ABUTTING PROPERTIES TO
180 BOLTON CENTER RD

Leslie Alexander

Earle Armstrong

Michael and Beth Ann Harney

SURVEY NOTES:

1) THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-303a-1 THRU 20-303a-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES' MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS, AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 28, 2019. IT IS A LIMITED PROPERTY/BOUNDARY IMPROVEMENT LOCATION SURVEY MAP BASED ON A RESURVEY CONFORMING TO HORIZONTAL SURVEY ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2. THE INTENT OF THIS MAP IS TO DEPICT THE LOCATION OF THE PROPOSED OR EXISTING IMPROVEMENTS SHOWN WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.

2) PROPERTY IS LOCATED IN A R-1 ZONE.
 3) THE PROPERTY IS NOT LOCATED IN A FLOOD HAZARD ZONE A PER FIRM FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 090109 0002B EFFECTIVE JUNE 1, 1981.
 4) TOPOGRAPHY DEPICTED WAS FIELD DERIVED BY BUSHNELL ASSOCIATES LLC. USING AN ASSUMED DATUM.

MAP REFERENCES:
 1) PLAN PREPARED FOR MICHAEL HARNEY LOT 7 DANIELLE MARIE ESTATES BOLTON CENTER ROAD BOLTON, CT. LIMITED PROPERTY / IMPROVEMENT LOCATION SURVEY SCALE: 1"=20' DATE: 7/15/2015 FILE NO. 2015-28 SHEET: 1 OF 1 BUSHNELL ASSOCIATES LLC. CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875

SEPTIC SYSTEM DESIGN NOTES AND CRITERIA
 SEPTIC SYSTEM DESIGN AND INSTALLATION TO COMPLY WITH CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 1, 2018.

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATION:
 NUMBER OF BEDROOMS: 3
 PERCOLATION RATE: 1-10.0 MIN./INCH (SYSTEM IN SELECT FILL)
 RESTRICTIVE LAYER: 20" TH4
 GROUND SLOPE: 3.1-4.0%
 MLSS: 48 HF. X 1.5 FF. X 1.0 PF. = 72 FT. MIN.

REQUIRED: 1000 GALLON TWO-COMPARTMENT SEPTIC TANK AND 495 SQ. FT. OF EFFECTIVE LEACHING AREA. (SYSTEM IN SELECT FILL 1-10 MIN./INCH PERCOLATION RATE)

PROVIDED: 1,250 GALLON TWO-COMPARTMENT INFILTRATOR PLASTIC SEPTIC TANK WITH APPROVED EFFLUENT FILTER. NO GARBAGE DISPOSAL, WATER SOFTENING SYSTEM OR OVERSIZED TUB TO BE INSTALLED IN THE HOUSE. (ACCESS RISERS REQUIRED TO LESS THAN 12" FROM FINAL GRADE). 84 LINEAL FEET OF DOUBLE WIDE STANDARD CAPACITY QUICK 4 INFILTRATORS BACKFILLED WITH APPROVED NO. 4 STONE AGGREGATE (68 UNITS) (EFFECTIVE LEACHING CREDIT 5.9 SQ. FT./FT) WITH AN EFFECTIVE LEACHING AREA OF 495.6 SQ.FT. MINIMUM SPACING OF 12 FT. ON CENTER, WITH HOUSE SEWER PIPE OF 4" DIA. SCHEDULE 40 ASTM D-1785 / ASTM D-2685.

INFILTRATOR BOTTOMS TO BE NO LESS THAN 2" BELOW EXISTING GRADE.

THE SEPTIC SYSTEM AREA SHALL NOT BE DISTURBED PRIOR TO STAKEOUT OF THE SYSTEM BY THE DESIGN ENGINEER.

THE DESIGN ENGINEER SHALL STAKE OUT THE SEPTIC SYSTEM, SET A LOCAL BENCHMARK AND SUPPLY THE EASTERN HIGHLANDS HEALTH DISTRICT WITH A STAKING VERIFICATION MEMO BEFORE A PERMIT TO INSTALL THE SYSTEM WILL BE ISSUED.

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

- 1) THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
- 2) UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE.
- 3) THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- 4) THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50*	10-75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE # 200 SIEVE DOES NOT EXCEED 5%

SELECT FILL THAT DOES NOT MEET THE DRY SIEVE GRADATION CRITERIA BUT MEETS THE WET SIEVE CRITERIA IS ACCEPTABLE.

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH REQUIRED SELECT FILL. THE TOPSOIL IN THE LEACHING AREA MUST BE COMPLETELY REMOVED AND THE SUBSOIL SCARIFIED PRIOR TO SELECT FILL PLACEMENT. THE INSTALLER SHALL TAKE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVERCOMPACTION, SILTATION OR OTHER DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING THE SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING AREA.

TEST HOLE DATA PER MAP REFERENCE 1

TEST PIT A
 0-7" TOPSOIL/LEAF LITTER
 7-18" YELLOW BROWN FINE SANDY LOAM
 18-24" GREY-BROWN MOTTLED SILT
 24-84" RED-BROWN FRAGIPAN
 MOTTLING AT 18" SEEPAGE AT 80" NO LEDGE NO LEDGE

TEST PIT B
 0-5" TOPSOIL/LEAF LITTER
 5-24" YELLOW BROWN FINE SANDY LOAM
 24-84" RED-BROWN FRAGIPAN
 MOTTLING AT 24" SEEPAGE AT 68" NO LEDGE

TEST PITS OBSERVED BY
 HOLLY EASTERN HIGHLANDS HEALTH DISTRICT
 ANDREW F. BUSHNELL PE. LS. BUSHNELL ASSOCIATES LLC.
 7/8/2015

PERCOLATION TEST 1 RESULTS
 PERFORMED BY BUSHNELL ASSOCIATES LLC (7/8/2015)
 PRE-SOAKED 9:15AM 7/8/2015
 START 10:52 AM 7/9/2015 HOLE DRY @ START
 23" DEEP HOLE

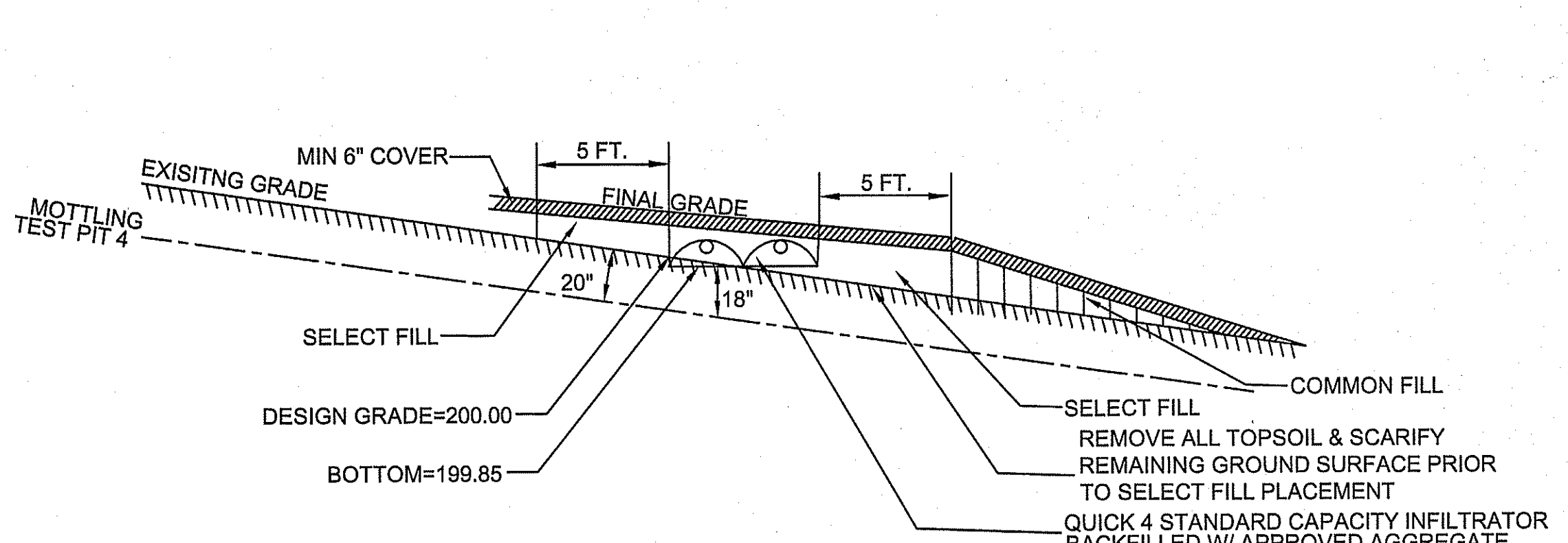
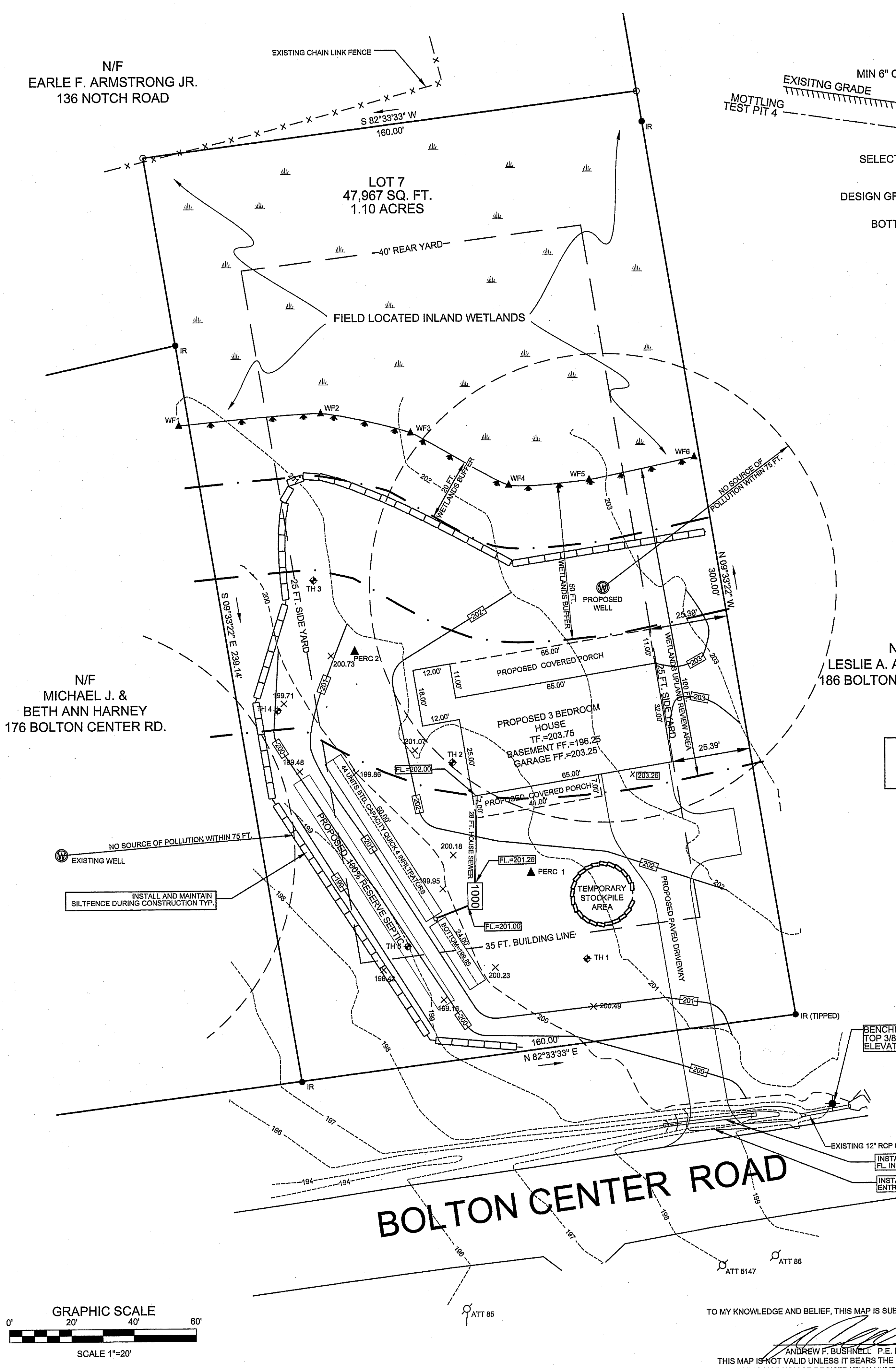
TEST PIT 1	TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
0-7" TOPSOIL & LEAF LITTER	0	0	0
7-29" ORANGE BROWN FINE SANDY LOAM	5	10 1/2	2 1/2
29-78" RED SAND FRIABLE	10	12 1/2	2
29" MOTTLING	15	13 1/2	1
NO LEDGE	20	14	1/2
NO SEEPAGE	25	14 1/2	1/2
ROOTS TO 20"	30	15	1/2
NO LEDGE	35	15 1/2	1/2
WATER ON BOTTOM	40	16	1/2
NO LEDGE	45	16 1/2	1/2
NO SEEPAGE	50	17	1/2
ROOTS TO 20"	55	17 1/2	1/2

PERCOLATION RATE = 1-10.0 MIN./IN.

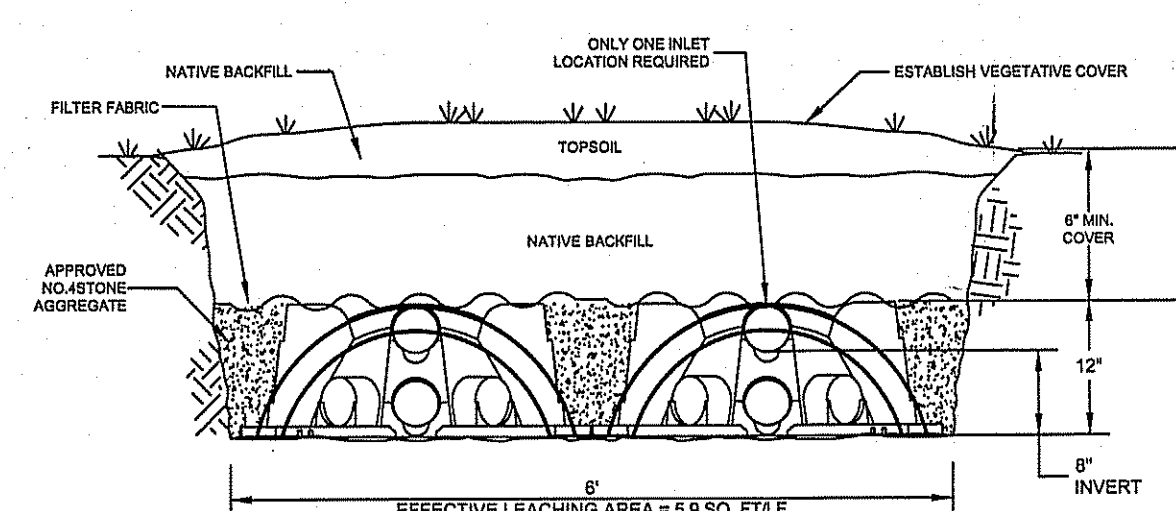
PERCOLATION TEST 2 RESULTS
 PERFORMED BY BUSHNELL ASSOCIATES LLC (7/8/2015)
 PRE-SOAK 9:30 AM 7/8/2015
 START 10:50 AM 7/9/15 HOLE DRY AT START
 20" DEEP HOLE

TEST PIT 4	TIME (MIN.)	READING (IN.)	DIFFERENCE (IN.)
0-4" TOPSOIL	0	0	0
4-20" ORANGE BROWN FINE SANDY LOAM	5	8 1/2	4 1/2
20-77" VERY FIRM RED SAND TILL	10	11 1/2	3
20" MOTTLING	15	11 1/2	3
ROOTS TO 20"	20	13 3/4	2 1/4
NO LEDGE	25	14 3/4	1
NO SEEPAGE	30	15 3/4	1
NO LEDGE	35	16 1/2	3/4
NO SEEPAGE	40	17	1/2
NO LEDGE	45	17 1/2	1/2
NO SEEPAGE	50	18	1/2
NO LEDGE	55	19	1/2
NO SEEPAGE	59	DRY AT 20	

PERCOLATION RATE = 1-10.0 MIN./IN.



LEACHING SYSTEM CROSS SECTION A-A SCALE 1"=5"



QUICK 4 STANDARD CAPACITY DOUBLE WIDE TRENCH DESIGN DETAIL (NOT TO SCALE)

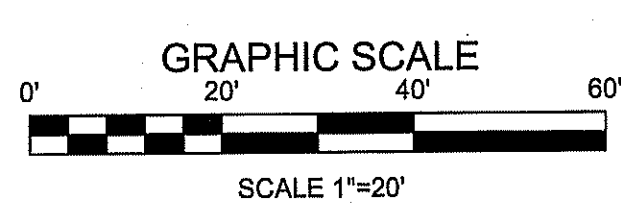
AREA OF DISTURBANCE IN WETLANDS 100 FT. UPLAND REVIEW AREA: 11,819 SQ. FT. .27 ACRES

LEGEND

- ◻ EXISTING MERESTONE
- IRON ROD TO BE SET
- EXISTING IRON ROD
- ⊙ PROPOSED WELL
- ⊙ PROPOSED SILT FENCE/ LIMIT OF DISTURBANCE
- LIMIT OF DISTURBANCE
- STONE WALL
- EXISTING UTILITY POLE
- ⊙ PROPOSED SPOT GRADE
- ⊙ EXISTING SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEST HOLE
- ▲ PERCOLATION TEST
- EDGE OF FIELD LOCATED WETLANDS
- ▲ WETLANDS FLAG
- PROPOSED UNDERGROUND UTILITIES

UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION. "CALL BEFORE YOU DIG (1-800-922-4455)."

PLAN PREPARED FOR
DAVID SPOSITO
 180 BOLTON CENTER ROAD BOLTON, CT.
SITE PLAN
 SCALE: 1"=20' DATE: 4/22/2022 FILE NO. 2022-15 SHEET: 1 OF 2
BUSHNELL ASSOCIATES LLC.
 CIVIL ENGINEERING AND LAND SURVEYING
 563 WOODBRIDGE STREET MANCHESTER, CT. 06042
 860-643-7875
 REVISIONS: 5/17/2022



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
 ANDREW F. BUSHNELL P.E. L.S. 24591
 THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

CONSTRUCTION NOTES:

- 1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- 2.) OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- 3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
- 4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
- 5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- 6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

EROSION CONTROL CONSTRUCTION SEQUENCE PLAN HOUSE LOT DEVELOPMENT
 NOTE: ALL EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL CONFORM TO THE METHODS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL MANUAL.

- 1.) COORDINATE MARKING OF LIMITS OF DISTURBANCE BY A LICENSED LAND SURVEYOR. SUPPLY TOWN EROSION CONTROL OFFICER WITH A LETTER FROM THE SURVEYOR CERTIFYING THE LIMITS OF DISTURBANCE WERE MARKED IN ACCORDANCE WITH THE APPROVED PLAN.
- 2.) CLEAR TREES AS REQUIRED.
- 3.) PRIOR TO SOIL DISTURBANCE INSTALL EROSION CONTROL MEASURES, SILT FENCE AND ANTI-TRACKING PAD (SEE PLAN DETAILS AND LOCATIONS). ADDITIONAL MEASURES MAY BE REQUIRED AS SITE CONDITIONS REQUIRE. COORDINATE AN INSPECTION OF INSTALLED MEASURES WITH THE EROSION CONTROL OFFICER. SUPPLY THE TOWN OF EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.
- 3.) PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
- 4.) GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.
- 5.) CONSTRUCT AND STABILIZE DRIVEWAY.
- 6.) CONSTRUCT HOUSE, WELL, DRIVEWAY, SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.
- 7.) SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (I.E., SUN OR SHADE) AND THE SEASON OF THE YEAR IN WHICH THIS ACTIVITY IS COMPLETED. PROVIDE TEMPORARY STABILIZATION OF THE SITE (I.e., STRAW OR HAY ETC.) IF THE TOPSOIL IS SPREAD DURING A TIME OF YEAR WHEN GRASS SEED WILL NOT GERMINATE. PROVIDE PERMANENT STABILIZATION WHEN WEATHER CONDITIONS ALLOW.
- 8.) REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.
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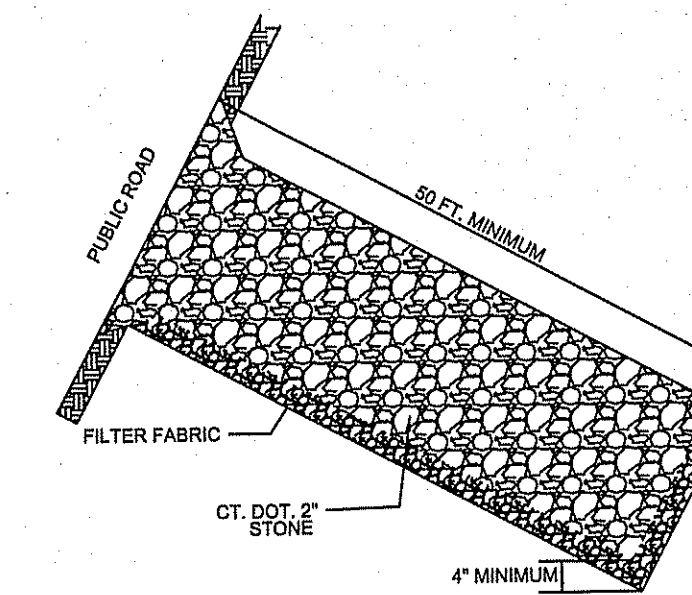
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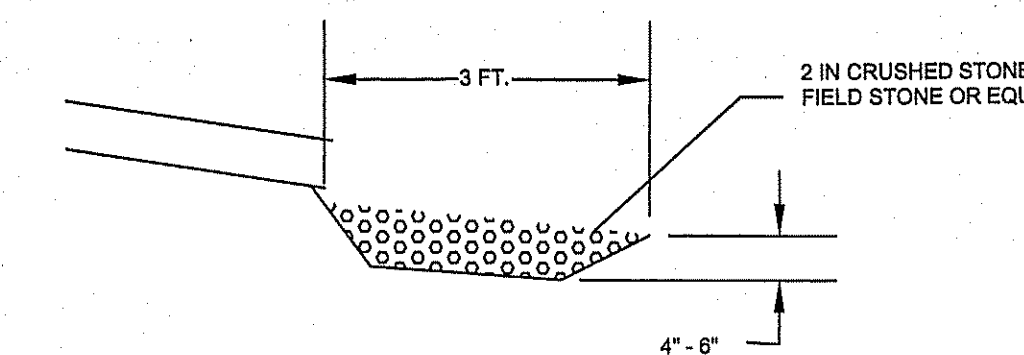
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	0.45	CREeping RED FESCUE	8/15-10/1
	0.10	PERENNIAL RYEGRASS	
SLOPES & COARSE LAWN	0.45	CREeping RED FESCUE	4/1-6/15
	0.05	RED TOP	8/15-10/1
	0.45	TALL FESCUE	
SLOPES (NO MOWING)	1.8	CREeping RED FESCUE	4/1-6/15
	0.2	RED TOP	8/15-10/1
TEMPORARY COVER	3.0	WINTER RYE	4/15-6/15, 8/15-10/15
	1.0	OR ANNUAL RYEGRASS	3/1-6/15, 8/1-10/15

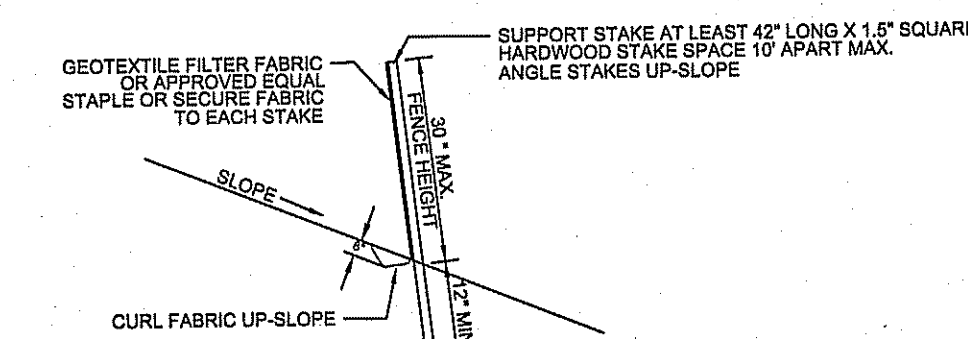
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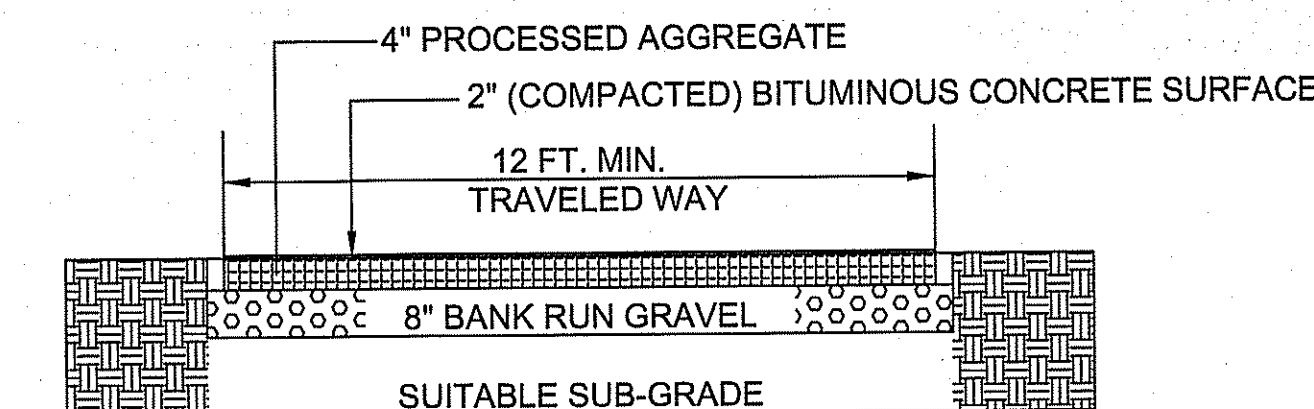
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NOT TO SCALE



FOOTING DRAIN OUTLET DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE



PAVED DRIVEWAY DETAIL (12% MAX GRADE)
NOT TO SCALE

	PLAN PREPARED FOR			
	DAVID SPOSITO			
180 BOLTON CENTER ROAD		BOLTON, CT.		
CONSTRUCTION / E&S/ SEPTIC DETAILS				
SCALE: NONE	DATE: 4/22/2022	FILE NO. 2022-15	SHEET: 2 OF 2	
BUSHNELL ASSOCIATES LLC.				
CIVIL ENGINEERING AND LAND SURVEYING				
563 WOODBRIDGE STREET		MANCHESTER, CT. 06042		
860-643-7875				
REVISIONS:				